

WOODLAWN LANDFILL
ADMINISTRATIVE RECORD FILE *
INDEX OF DOCUMENTS

I. SITE IDENTIFICATION

1. Report: Site Inspection of Woodlawn Landfill, prepared by NUS Corporation, 3/18/86. P. 100001-100235.
2. Report: NOAA Hazardous Waste Site Report, (no author cited), 6/87. P. 100236-100240.
3. Letter to Mr. Kenneth R. Kryszczun, U.S. EPA, from Mr. Carl Rodzewich, Mr. Thomas Fromm, and Mr. Garth Glenn, NUS Corporation, re: Submittal of the Preliminary Assessment, 10/6/87. P. 100241-100270. The following are attached:
 - a) Attachment 1, Federal Investigation Team (FIT) Zone 1 Contract Technical Decision Document (TDD);
 - b) Attachment 2, Site Location Map and a Site Sketch;
 - c) Attachment 3, Sample Location Map and five Sample Data Summary Sheets;
 - d) Attachment 4, Sample Location Map and seven Sample Data Summary Sheets;
 - e) Attachment 5, HRS Cover Sheet;
 - f) Attachment 6, U.S. EPA Potential Hazardous Waste Site Preliminary Assessment Sheet.
4. Background summary packet, Woodlawn Landfill, prepared by Agency for Toxic Substances and Disease Registry (ATSDR), 3/17/88. P. 100271-100324.
5. Report: Health Assessment for Woodlawn Landfill,

* Administrative Record File available 7/16/90, updated 11/27/91, 2/5/92, 4/30/93, 5/26/93, 10/14/93, 3/24/99, and 11/10/99.

Woodlawn Maryland, prepared by ATSDR, 5/4/88.
P. 100325-100329. A cover letter is attached.

II. REMEDIAL ENFORCEMENT PLANNING

1. Report: Scope of Work Remedial Investigation/Feasibility Study, Woodlawn Landfill, Cecil County, Maryland, prepared by International Technology Corporation, 9/30/88. P. 200001-200107.
2. Letter to Dr. Mark R. Noll, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Modifications to the Remedial Investigation/Feasibility Study (RI/FS), 6/27/89. P. 200106-200107.
3. Memorandum to Mr. James M. Seif, U.S. EPA, from Mr. Stephen R. Wassersug, U.S. EPA, re: Request for signature on the Consent Order, (undated). P. 200108-200153. The Administrative Order by Consent: Performance of a Remedial Investigation/Feasibility Study, In The Matter Of: Woodlawn Landfill, Cecil County, Maryland; Cecil County, Maryland; and The Firestone Tire and Rubber Company, Respondents, U.S. EPA Docket No. III-89-05-DC, is attached.
4. Letter to Ms. Pamela D. Marks, Department of the Environment, Ms. Pat Hilsinger, U.S. EPA, and Mr. Kevin Gaynor, Venable, Baetjer, Howard and Civiletti, from Mr. Stephen V. Moser, Bridgestone/Firestone, Inc., re: Firestone's concern of hazardous substances from a solid waste Transfer Station that could be affecting groundwater, 5/7/90. P. 200154-200162. The following are attached:
 - a) a letter regarding operations at the Transfer Station that could affect the RI/FS, dated February 6, 1990;
 - b) a letter regarding samples taken from the Transfer Station septic tank, dated May 2, 1990;
 - c) a memorandum regarding the evaluation of a sample from the Transfer Station septic tank, dated April 16, 1990;
 - d) Table 1, Volatile Organic Analysis (VOA).

5. Letter to Ms. Debbie Rossi, U.S. EPA, from Mr. William A. Sumner, Cecil County Health Department, re: Response to request for information on work completed on the sanitary system at the Woodlawn Transfer Station, 5/31/90. P. 200163-200164. A Building Permit is attached.
6. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debbie Rossi, U.S. EPA, re: Impact of operations at the Woodlawn Transfer Station on results of the RI/FS, 6/1/90. P. 200165-200166.
7. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debbie Rossi, U.S. EPA, re: Confirmation of an agreement to adjust the RI/FS schedule, 4/1/91. P. 200167-200167.
8. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Recommendation for additional sampling of residential wells, 5/14/91. P. 200168-200169.
9. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Misunderstanding about the basis of EPA's request for additional sampling of residential wells, 7/9/91. P. 200170-200171.
10. Letter to Ms. Debbie Rossie [sic], from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Decision of the Potentially Responsible Party (PRP) group that additional residential well sampling is unnecessary, 7/10/91. P. 200172-200173.
11. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Response to the PRP group's July 10, 1991 letter concerning additional residential well sampling, 7/26/91. P. 200174-200177.

12. Administrative Order for Remedial Design and Remedial Action, In The Matter Of: Woodlawn Landfill Site, Cecil County, Maryland, Docket No. III-95-05-DC, 11/25/94. The Board of County Commissioners for Cecil County, Maryland, and Bridgestone/Firestone, Inc. are the Respondents. P. 200178-200255. A November 28, 1994, transmittal letter to Mr. W. Edwin Cole, Jr., The Board of County Commissioners for Cecil County, from Mr. Abraham Ferdas, U.S. EPA, is attached.
13. Consent Decree, Civil Action No. AMD-96-3082. United States of America, Plaintiff, v. The Board of County Commissioners for Cecil County, Maryland, Defendant, 12/9/96. P. 200256-200319.
14. Modification No. 1 to Administrative Order No. III-95-05-DC, In The Matter Of: Woodlawn Landfill Site, Cecil County, Maryland, 6/17/98. The Board of County Commissioners for Cecil County, Maryland, and Bridgestone/Firestone, Inc. are the Respondents. P. 200320-200323. A July 20, 1998, transmittal letter to Mr. Kevin Holewinski, Jones, Day, Reavis & Pogue, from Ms. Patricia Hilsinger, U.S. EPA, is attached.

III. REMEDIAL RESPONSE PLANNING

1. Work Plan: Health and Safety Plan, Remedial Investigation/Feasibility Study, Including Phase I - Preliminary Investigations, Woodlawn Landfill, Cecil County, Maryland, prepared by International Technology Corporation, 1/30/89. P. 300001-300156.
2. Work Plan: Quality Assurance Project Plan, Remedial Investigation/Feasibility Study, Including Phase I - Preliminary Investigations, Woodlawn Landfill, Cecil County, Maryland, prepared by International Technology Corporation, 2/6/89. P. 300157-300373.
3. Work Plan: Phase I - Preliminary Investigations, Remedial Investigation/Feasibility Study, Woodlawn Landfill, Cecil County, Maryland, prepared by International Technology Corporation, 6/13/89. P. 300374-300549.
4. Report: Phase I - Preliminary Investigations, Remedial Investigation/Feasibility Study, Woodlawn Landfill, Cecil County, Maryland, prepared by International Technology Corporation, 9/89. P. 300550-300641.
5. Work Plan: Phase II - Site Characterization, Remedial Investigation/Feasibility Study, Woodlawn Landfill, Cecil County, Maryland, prepared by International Technology Corporation, 9/89. P. 300642-300762.
6. Work Plan: Phase IV - Additional Field Work, Remedial Investigation/Feasibility Study, Woodlawn Landfill, Cecil County, Maryland, prepared by International Technology Corporation, 9/89. P.

300763-300851.

7. Plan: RI/FS Reports Presentation, Remedial Investigation/Feasibility Study, Woodlawn Landfill, Cecil County, Maryland, prepared by International Technology Corporation, 9/89. P. 300852-300934.
8. Addendum Report: Soil-Gas Survey, Phase I - Preliminary Investigations, Remedial Investigation/Feasibility Study, Woodlawn Landfill, Cecil County, Maryland, prepared by International Technology Corporation, 9/89. P. 300935-301004.
9. Letter to Ms. Debbie Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Addendum to the Health and Safety Plan, 11/8/90. P. 301005-301017. A Material Safety Data Sheet, information on lead, and Figure 3, Approximate Site Health and Safety Zones, are attached.
10. Letter to Ms. Debbie Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Addendum to the Quality Assurance Project Plan, 11/8/90. P. 301018-301155. The following are attached:
 - a) Method 502.2, Volatile Organic Compounds in Water by Purge and Trap Capillary Column Gas Chromatography with Photoionization and Electrolytic Conductivity Detectors in Series;
 - b) Table 1, Chromatographic Retention Times and Method Detection Limits for Volatile Organic Compounds on Photoionization Detection (PID) and Hall Electrolytic Conductivity Detector (HECD) Detectors;
 - c) Table 2, Single Laboratory Accuracy and Precision Data for Volatile Organic Compounds in Reagent Water;
 - d) Figure 1, Purging device;

- e) Figure 3, Purge and trap system - purge mode, and Figure 4, Schematic of purge and trap device - desorb mode;
 - f) Figure 2, Trap packings and construction to include desorb capability;
 - g) Figure 5, Gas chromatogram of volatile organics;
 - h) a report entitled "Quality Assurance Manual Laboratory - Specific Attachment."
- 11. Report: Phase II - Site Characterization, Remedial Investigation/Feasibility Study, Woodlawn Landfill, Cecil County, Maryland, prepared by International Technology Corporation, 11/19/90. P. 301156-301767.
A transmittal letter is attached.
- 12. Work Plan: Phase III - Groundwater Evaluation, Remedial Investigation/Feasibility Study, Woodlawn Landfill, Cecil County, Maryland, prepared by International Technology Corporation, 11/19/90.
P. 301768-301874. A transmittal letter is attached.
- 13. Work Plan: Appendix 1, Quality Assurance Project Plan, Addendum to the International Technology Corporation Quality Assurance Project Plan for the Woodlawn Landfill RI/FS, prepared by Environmental Resources Management, Inc., 11/21/90. P. 301875-301909.
- 14. Work Plan: Appendix 2, Health and Safety Plan, Addendum to the International Technology Corporation Health and Safety Plan for the Woodlawn Landfill RI/FS, prepared by Environmental Resources Management, Inc., 11/21/90. P. 301910-301928.
- 15. Letter to Ms. Debbie Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Addendum to the Phase IV Detailed Work Plan, 11/27/90. P. 301929-301947. The following are attached:
 - a) Chapter 1.0, Additional Monitoring Wells;

- b) Chapter 2.0, Additional Surface Water/Sediment Samples;
- c) Chapter 3.0, Additional Soil Boring in a Suspected Source Area;
- d) Chapter 4.0, Decommissioning of State of Maryland Monitoring Well B-1;
- e) a Volatile Organics Analysis Data Sheet;
- f) Figure 1, Preliminary Potentiometric Surface Bedrock Aquifer with Proposed Monitoring Well Locations;
- g) Figure 2, Packer Tool Assembly for Incremental Groundwater Sampling;
- h) Figure 3, Additional Surface Water;
- i) Figure 4, Well Abandonment Report Form.

- 16. Work Plan: Work Plan Addendum, Soils Investigation, Woodlawn Transfer Station, Cecil County, Maryland, An Addendum to the Phase IV - Additional Field Work Plan for Woodlawn Landfill, Cecil County, Maryland, prepared by Environmental Resources Management, Inc., 12/21/90. P. 301948-301990.
- 17. Report: An Addendum to the Phase IV - Additional Field Work Plan for the Remedial Investigation/Feasibility Study, Woodlawn Landfill, Cecil County, Maryland, Septic System Drain Field Investigation, Woodlawn Transfer Station, Cecil County, Maryland, prepared by Environmental Resources Management, Inc., 4/11/91. P. 301991-302081.
- 18. Letter to Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debra Rossi, U.S. EPA, re: Need for additional investigations to adequately characterize the nature and extent of contamination in the vicinity of the septic system, 5/30/91. P. 302082-302086. Table 1.0, Split Sample Results - Organics Septic System Investigation, January 1991,

is attached.

19. Letter from Ms. Debra Rossi, U.S. EPA, re: Results of a ground water sample collected from a resident's well, 11/1/91. P. 302087-302089. The sampling results are attached.
20. Letter from Ms. Debra Rossi, U.S. EPA, re: Results of a ground water sample collected from a resident's well, 11/1/91. P. 302090-302092. The sampling results are attached.
21. Letter from Ms. Debra Rossi, U.S. EPA, re: Results of a ground water sample collected from a resident's well, 11/1/91. P. 302093-302095. The sampling results are attached.
22. Letter from Ms. Debra Rossi, U.S. EPA, re: Results of a ground water sample collected from a resident's well, 11/1/91. P. 302096-302098. The sampling results are attached.
23. Letter from Ms. Debra Rossi, U.S. EPA, re: Results of a ground water sample collected from a resident's well, 11/1/91. P. 302099-302101. The sampling results are attached.
24. Letter from Ms. Debra Rossi, U.S. EPA, re: Results of a ground water sample collected from a resident's well, 11/1/91. P. 302102-302104. The sampling results are attached.
25. Letter from Ms. Debra Rossi, U.S. EPA, re: Results of a ground water sample collected from a resident's well, 11/1/91. P. 302105-302109. The sampling results are attached.
26. Report: Phase III - Groundwater Evaluation, Remedial Investigation/Feasibility Study, Woodlawn Landfill, Cecil County, Maryland, prepared by International Technology Corporation, 11/18/91. P. 302110-302659. A cover letter is attached.
27. Report: Phase IV - Additional Field Work, Remedial Investigation/Feasibility Study, Woodlawn Landfill, Cecil County, Maryland, prepared by International

Technology Corporation, 11/18/91. P. 302660-303352.
A cover letter is attached.

28. Report: Remedial Investigation (Includes Baseline Risk Assessment) Woodlawn Landfill RI/FS, Cecil County, Maryland, Volume I of II, prepared by International Technology Corporation, 10/92. P. 303353-304013. A transmittal letter is attached.
29. Report: Remedial Investigation (Includes Baseline Risk Assessment) Woodlawn Landfill RI/FS, Cecil County, Maryland, Volume II of II, prepared by International Technology Corporation, 10/92. P. 304014-304821.
30. Letter to Mr. George B. Markert, Bridgestone/Firestone Inc., from Ms. Sharon Feldstein, U.S. EPA, re: Comments on the Work Plan for the Preliminary Investigation, 3/21/89. P. 304822-304823.
31. Letter to Mr. George B. Markert, Bridgestone/Firestone Inc., from Dr. Alan M. Jacobs, International Technology Corporation, re: Rain delays obstructing performance of Phase I field activities, 7/18/89. P. 304824-304826.
32. Letter to Dr. Alan M. Jacobs, International Technology Corporation, from Dr. Mark R. Noll, U.S. EPA, re: EPA's approval of the alternatives concerning soil-gas sampling, 8/11/89. P. 304827-304828.
33. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Dr. Mark R. Noll, U.S. EPA, re: EPA approval of criteria for soil-gas mobilization, 8/24/89. P. 304829-304829.
34. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Dr. Mark R. Noll, U.S. EPA, re: EPA approval to start work on the Phase II and Phase IV Work Plans, 12/1/89. P. 304830-304830.
35. Letter to Mr. George B. Markert,

- Bridgestone/Firestone, Inc., from Dr. Mark R. Noll, U.S. EPA, re: EPA approval of HydroGroup as drilling contractor, 1/2/90. P. 304831-304831.
36. Letter to Dr. Mark R. Noll, U.S. EPA, from George B. Markert, Bridgestone/Firestone, Inc., re: Change in procedure for conducting permeability testing, 3/6/90. P. 304832-304833.
37. Letter to Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debbie Rossi, U.S. EPA, re: Plans to discuss additional sampling requirements, 6/15/90. P. 304834-304834.
38. Letter to Ms. Debbie Rossi, U.S. EPA, from Mr. George B. Markert, The Firestone Tire & Rubber Company, re: Submission of an additional disposal contractor and a listing of the contractor facilities locations being considered, 7/9/90. P. 304835-304836. A list of Disposal Contractor and Contractor Facilities Locations is attached.
39. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debbie Rossi, U.S. EPA, re: Comments concerning the Phase II Remedial Investigation Report and Phase III Work Plan, 7/16/90. P. 304837-304860. The comments; Table 1, Water Samples, Inorganic Analytical Results for Phase II Split Samples; and Table 2, Organic Compounds Detected in Water Sample for Phase II Split Samples, are attached.
40. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debbie Rossi, U.S. EPA, re: In response to the meeting concerning the identification of applicable or relevant and appropriate requirements (ARARs), 7/26/90. P. 304861-304862.
41. Letter to Ms. Debbie Rossi, U.S. EPA, from George B. Markert, The Firestone Tire & Rubber Company, re: Response to the July 26, 1990 letter on ARARs, 8/8/90. P. 304863-304877. The following are attached:

a) Summary Table 1, TCL Organics Detected in

Monitoring Wells;

- b) Summary Table 2, TCL Organics Detected in Monitoring Wells;
 - c) Summary Table 3, TCL Organics Detected in Monitoring Wells;
 - d) Summary Table 4, TCL Organics Detected in Monitoring Wells;
 - e) Table 5, Potential ARARs and TBCs for Groundwater at the Woodlawn Landfill Site;
 - f) Table 6, Potential Chemical-Specific ARARs and TBCs Relative to Groundwater at the Woodlawn Landfill Site;
 - g) Table 7, Contract Required Quantitation and Detection Limits, TCL and TAL Compounds.
42. Letter to Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debbie Rossi, U.S. EPA, re: Approval of the selection of Environmental Resources Management, Inc. to perform Remedial Investigation activities, 8/16/90. P. 304878-304878.
43. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debbie Rossi, re: Review comments on chemical-specific ARARs, 8/24/90. P. 304879-304882. A memorandum dated August 14, 1990 regarding comments on chemical-specific ARARs is attached.
44. Letter to Ms. Debbie Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re:

Addendum to the August 8, 1990 letter concerning potential chemical-specific ARARs, 8/30/90. P. 304883-304894. Table 6, Chemical-Specific Potential ARARs and TBCs Relative to Groundwater at the Woodlawn Landfill Site, a letter dated August 24, 1990 regarding EPA's review of chemical-specific ARARs, and a memorandum dated August 14, 1990 regarding comments on potential chemical-specific ARARs are attached.

45. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., and Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debbie Rossi, U.S. EPA, re: Items to be addressed in the RI/FS Reports with respect to the National Environmental Policy Act of 1969 (NEPA) and environmental assessment activities, 8/30/90. P. 304895-304901. A list of Maryland State and Federal Contacts, information on Stage I cultural resource surveys, and an information sheet regarding chemical/physical parameters for surface water and sediment investigations are attached.
46. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debbie Rossi, U.S. EPA, re: Approval of amended chemical-specific potential ARARs and comments on Firestone's August 30, 1990 letter, 9/4/90. P. 304902-304902.
47. Letter Mr. George B. Markert, Bridgestone/Firestone, Inc. and Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debbie Rossi, U.S. EPA, re: Sampling and analysis of surface waters, 10/4/90. P. 304903-304906. Attachment 1, Additional Sampling Locations, is attached.
48. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debbie Rossi, U.S. EPA, re: Conditional approval of the proposed revisions of the Phase II Report and Phase III Detailed Work Plan, 10/18/90. P. 304907-304913. Specific comments on the responses to agency comments and revisions to Phase II Report and Phase III detailed Work Plan are attached.

49. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debbie Rossi, U.S. EPA, re: Additional comments on the Phase II Report and Phase III Work Plan submitted by the Maryland Department of the Environment, 10/25/90. P. 304914-304915. Response to Agency comments and revisions to the Phase II Report and the Phase III Work Plan are attached.
50. Letter to Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debbie Rossi, U.S. EPA, re: EPA review of Addendum Work Plan Package for the Woodlawn Transfer Station soils, 10/25/90. P. 304916-304921.
51. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debbie Rossi, U.S. EPA, re: Review of Health and Safety Plan and Quality Assurance Project Plan Addenda and monitoring well ITP-1 and ITP-2 sampling procedures, 11/19/90. P. 304922-304922.
52. Letter to Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debbie Rossi, U.S. EPA, re: EPA review of the Addendum Work Plan Package for the Woodlawn Transfer Station soils, 12/12/90. P. 304923-304924.
53. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debbie Rossi, U.S. EPA, re: Review and approval of Phase IV Detailed Work Plan Addendum, 12/13/90. P. 304925-304925.
54. Letter to Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debbie Rossi, U.S. EPA, re: Review of Work Plan Addendum, Revision No. 2; Quality Assurance Project Plan Addendum for the Woodlawn Transfer Station soils, Revision No. 1; and approval of the Gulf State Analytical, Inc. laboratory to perform work, 1/3/91. P. 304926-304926.
55. Letter to Ms. Debbie Rossi, from Mr. George B.

Market, Bridgestone/Firestone, Inc., re:
Firestone's approval of Chemical Waste Management,
Inc.'s proposal for testing the residual soils,
water, and discarded PPE from completed Phases II,
III, and IV field work, 1/16/91. P. 304927-304976.
The Sampling/Analysis/Work Plan proposal is
attached.

56. Letter to Ms. Debbie Rossi, U.S. EPA, from George B. Markert, Bridgestone/Firestone, Inc., re:
Installation of monitoring wells in the northern
off-site sector, 1/25/91. P. 304977-304978.
57. Letter to Ms. Debbie Rossi, U.S. EPA, and Mr. Tom DeReamer, Maryland Department of the Environment,
from Mr. Joseph P. Lewandowski, Environmental
Resources Management (ERM), Inc., re: Completion of
soil investigations and installation of ground water
monitoring well, 2/6/91. P. 304979-304981.
58. Letter to Mr. George B. Markert,
Bridgestone/Firestone, Inc., from Ms. Debbie Rossi,
U.S. EPA, re: Handling of residuals generated
during Phase IV of the RI/FS, 3/28/91. P. 304982-
304982.
59. Letter to Mr. George B. Markert,
Bridgestone/Firestone, Inc., from Ms. Debbie Rossi,
U.S. EPA, re: Sampling and disposal of
containerized residuals generated during the RI/FS,
4/23/91. P. 304983-304984.
60. Letter to Ms. Debbie Rossi, U.S. EPA, from Mr.
George B. Markert, Bridgestone/Firestone, Inc., re:
Comments and observations concerning the Transfer
Station Septic System Investigation Report, 5/3/91.
P. 304985-304987.
61. Letter to Ms. Debbie Rossi, U.S. EPA, from Mr.
George B. Markert, Bridgestone/Firestone, Inc., re:
Submittal of the Phase III/IV RI/FS reports,
5/23/91. P. 304988-304988.
62. Letter to Mr. George B. Markert,

Bridgestone/Firestone, Inc., and Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debra Rossi, U.S. EPA, re: Request for meeting to resolve disagreement about additional sampling at the site, 7/10/91. P. 304989-304990.

63. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Sampling and disposal of containerized residuals, 7/18/91. P. 304991-304995. Figure 1, Flow Chart Drummed Soil Disposal and Figure 2, Flow Chart Drummed Liquid Disposal are attached.
64. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Comments on the Phase III/IV Reports, 7/18/91. P. 304996-305019. The following are attached:
- a) comments on the Phase III Report, Groundwater Evaluation and on the Phase IV Report, Additional Field Work;
 - b) Table 1, Spilt Sample Results, Phase IV, 2/15/91, Organic and Inorganic Results;
 - c) six table keys;
 - d) Table 1, Data Analysis for the TSTA and ITP2 Water Wells, Dissolved Metals;
 - e) Table 2, Data Analysis for the Well, Dissolved and Total Metals;
 - f) Table 3, Data Analysis for Organic Compounds, TSTA-1 and F2 Water Well.
65. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Debra Rossi, U.S. EPA, re: Supplemental comments on the Phase III/IV Reports with Central Regional Laboratory's observations pertaining to the quality control and data validation criteria, 7/22/91. P. 305020-305021.

66. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Additional analytical results to be included in Phase III/IV Reports, 7/22/91. P. 305022-305022.
67. Letter to Mr. Barry G. Belford, Cecil County Department of Public Works, from Ms. Debra Rossi, U.S. EPA, re: Work Plan for additional soil sampling near the Transfer Station septic system and the use of a mobile lab, 7/26/91. P. 305023-305024.
68. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Response to July 17, 1991 letter pertaining to disposal of containerized wastes, 8/12/91. P. 305025-305026.
69. Letter to Ms. Debbie Rossi, U.S. EPA, from Mr. George B. Markert, The Firestone Tire & Rubber Company, re: Response and opposition to a July 26, 1991 letter, concerning performance of a pumping test, 8/22/91. P. 305027-305028.
70. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, The Firestone Tire & Rubber Company, Inc., re: The need to adjust the schedule to incorporate Transfer Station results, 8/22/91. P. 305029-305030.
71. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, The Firestone Tire & Rubber Company, Inc., re: Details of supplemental analytical results not included in the July 22, 1991 letter, 9/9/91. P. 305031-305031.
72. Letter to Mr. Barry G. Belford, Cecil County Department of Public Works, from Ms. Debra Rossi, U.S. EPA, re: Comments on the Work Plan Addendum Number 2 concerning the septic system investigation, 9/9/91. P. 305032-305055. Appendix A, Additional Comments, and the Quality Assurance Project Plan Review are attached.

73. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, The Firestone Tire & Rubber Company, re: Responses concerning comments on the Phase III and Phase IV Reports, 9/20/91. P. 305056-305069. The following are attached:
- a) Attachment 1, Modeling of Remedial Alternatives;
 - b) Attachment 2, Appendix C, Revision 02 - Phase III Report;
 - c) Table One, Partition Coefficients;
 - d) Table Two, Retardation Factor Calculations.
74. Letter to Mr. Joseph Lewandowski, Environmental Resources Management, Inc., from Ms. Debra Rossi, U.S. EPA, re: Deliverables from a site spill in West Virginia that are applicable to the proposed mobile laboratory analysis for the screening of soils at the site, 9/27/91. P. 305070-305072. Information regarding the mobile laboratory is attached.
75. Letter to Mr. George B. Markert, The Firestone Tire & Rubber Company, from Ms. Debra Rossi, U.S. EPA, re: The performance of an aquifer test, 10/1/91. P.305073-305076.
76. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Barry G. Belford, Cecil County Department of Public Works, re: Request for thirty-day extension for the submission of the revised Work Plan Addendum No. 2 for investigation of the Transfer Station septic system, 10/7/91. P. 305077-305077.
77. Memorandum to Ms. Debbie Rossi, U.S. EPA, from Mr. Jeffrey A. Dodd, U.S. EPA, re: Comments on the analysis of organic compounds by Gas Chromatography/Mass Spectrometry (GC/MS) and inorganic analytes by X-Ray Fluorescence, 10/21/91. P. 305078-305082. A facsimile transmittal cover sheet is attached.
78. Letter to Mr. Joseph Lewandowski, Environmental

- Resources Management, Inc., from Ms. Debra Rossi, U.S. EPA, re: Discussion of Woodlawn Transfer Station septic system drain field, 10/22/91. P. 305083-305084.
79. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Approval of the extension of the submittal date for the Phases III/IV Report revisions, 10/24/91. P. 305085-305085.
80. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Ground water model parameters, 10/25/91. P. 305086-305087. Technical References are attached.
81. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Postponement of the pumping test, 10/30/91. P. 305088-305092. Calculations of the pumping rate, drawdown, time, and volume of water are attached.
82. Letter to Mr. Barry G. Belford, Cecil County Department of Public Works, from Ms. Debra Rossi, U.S. EPA, re: Septic system investigation schedule, 11/6/91. P. 305093-305093.
83. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Proposal to revise the Soil Residual Sampling Plan, 11/8/91. P. 305094-305097. Figure 1, Drummed Soil Disposal, and Table 1, Revised Soil Drum Sampling Plan, are attached.
84. Work Plan: Work Plan Addendum No. 2, Septic System Investigation Woodlawn Transfer Station, Cecil County, Maryland, prepared by Environmental Resources Management, Inc., 11/8/91. P. 305098-305248.
85. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Incorporation of Environmental

Resources Management's Septic System Study Data into the Baseline Risk Assessment, 11/12/91. P. 305249-305250.

86. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Notification of review and acceptance of the revised soil residual sampling plan, 11/15/91. P. 305251-305251.
87. Letter to Mr. Barry Belford, Cecil County Department of Public Works and Mr. George B. Markert, Bridgestone/ Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: EPA's conditional approval of the revised scope of work for the septic system investigation, 11/18/91. P. 305252-305255.
88. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: EPA's approval of the Phase III Report, Ground water Evaluation (Revision No. 01), 11/25/91. P. 305256-305256.
89. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Joseph P. Lewandowski, Environmental Resources Management, Inc., re: Response to EPA's comments on the Work Plan Addendum No. 2 for the septic system investigation, 11/27/91. P. 305257-305264. A letter dated November 18, 1991 regarding EPA's approval of the revised scope of work for the septic system investigation is attached.
90. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Discussion of the Phase III/IV Reports and the Transfer Station, 12/5/91. P. 305265-305266.
91. Work Plan: Treatability Studies Work Plan, Leaching Testing of Selected PVC Sludge Wastes, Remedial Investigation/Feasibility Study, Woodlawn Landfill, Cecil County, Maryland, prepared by International Technology Corporation, 1/92. P. 305267-305352.
92. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Selection of monitoring wells for the

- site risk assessment, 1/22/92. P. 305353-305354.
93. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Submittal of Baseline Risk Assessment/Remedial Investigation Report and the Preliminary Feasibility Study, 1/22/92. P. 305355-305356.
94. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Conditional approval of use of the Transfer Station drain field soil sample results in the addendum risk assessment, 2/12/92. P. 305357-305357.
95. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., and Mr. Barry G. Belford, Cecil County Department of Public Works, from Ms. Debra Rossi, U.S. EPA, re: Modification of project schedule, 2/26/92. P. 305358-305359.
96. Work Plan: Treatability Studies Work Plans, In Situ Groundwater Oxidation - Reduction Potential, UV/Ozone Peroxide Oxidation, Thermal Treatment, and Soil Vapor Extraction Pilot Test, Woodlawn Landfill, RI/FS, Cecil County, Maryland, prepared by International Technology Corporation, 3/92. P. 305360-305432.
97. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Comments on the Treatability Studies Work Plan for Leaching Testing of PVC Sludge Waste, 3/4/92. P. 305433-305441. The comments are attached.
98. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Discussion of project schedule, 3/5/92. P. 305442-305443.
99. Letter to Mr. John Fairbank, Maryland Department of the Environment, from Ms. Debra Rossi, U.S. EPA, re: Formal request for State ARARs and material to-be-

considered, 3/6/92. P. 305444-305445.

100. Report: Septic System Drain Field Investigation, Woodlawn Transfer Station, Cecil County, Maryland, prepared by Environmental Resources Management, Inc., 3/11/92. P. 305446-305683.
101. Letter to Mr. Mark Hardner, International Technology Corporation, from Mr. John Y. Fairbank, Maryland Department of the Environment, re: State requirements for conducting the proposed Soil Gas Treatability Study, 3/25/92. P. 305684-305686.
102. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Responses to Agency comments and revisions to the Treatability Study Work Plan, 3/25/92. P. 305687-305710. A letter dated March 4, 1992 regarding EPA's and Maryland Department of the Environment's concerns about the Treatability Study Work Plan, a Review of the Treatability Study Work Plan for Leaching of Selected PVC Sludge Wastes, and the response to comments on the Leaching Testing Treatability Study Work Plan are attached.
103. Report: Addendum Report, Preliminary Feasibility Study, Septic System Drain Field Transfer Station, Woodlawn Landfill RI/FS, Cecil County, Maryland, prepared by International Technology Corporation, 4/92. P. 305711-305805.
104. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Review of and response to Bridgestone/Firestone's March 25, 1992 letter concerning the Treatability Study Work Plan, 4/1/92. P. 305806-305810. Agency comments are attached.
105. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Analytical results for containerized residuals, 4/1/92. P. 305811-305917.

The results are attached.

106. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Comments on the Treatability Studies Work Plan for UV/ozone/peroxide oxidation, thermal treatment, and soil vapor extraction, 4/3/92. P. 305918-305929. The comments are attached.
107. Memorandum to Mr. Peter J. Ludzia, U.S. EPA, from Mr. Joseph W. Kunz, U.S. EPA, re: Soil-gas exposure assessment, 4/13/92. P. 305930-305934. A report summarizing the assessment is attached.
108. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Analytical results concerning the characterization for disposal of containerized residuals, 4/15/92. P. 305935-305937. Table 1, Hazardous Wastes Characteristics, Soil Drum Samples, is attached.
109. Telephone conversation record of Mr. Alan Jacobs, International Technology Corporation, with Ms. Debbie Rossi, U.S. EPA, re: Project schedule of treatability studies, 4/15/92. P. 305938-305938.
110. Letter to Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debra Rossi, U.S. EPA, re: Comments to the March 11, 1992 septic system drain field investigation report, 4/17/92. P. 305939-305950. EPA and the State of Maryland comments are attached.
111. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. John Y. Fairbank, Maryland Department of the Environment, re: Identification of State chemical- and location-specific ARARs, 4/24/92. P. 305951-305953. Two charts on chemical-specific and location-specific ARARs are attached.

112. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Responses to comments and revisions to the Treatability Study Work Plan, 5/7/92. P. 305954-305968. The following are attached:
- a) the responses to EPA's comments on the Treatability Studies Work Plan;
 - b) Figure 1, PVC Sludge Sampling Flow Chart;
 - c) Figure 2, Design of Treches [sic] as of April 20, 1979;
 - d) a letter regarding the Treatability Studies Work Plan, dated April 1, 1992;
 - e) The responses to the Treatability Studies Work Plan.
113. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Comments on the Remedial Investigation and the preliminary Feasibility Study, 5/8/92. P. 305969-306027. The comments are attached.
114. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Responses to comments on and revisions to the Treatability Study Work Plan, 5/18/92. P. 306028-306059. The following are attached:
- a) the responses to EPA's comments on the Treatability Study Work Plan;
 - b) Figure 9.2., Transformation pathways for various chlorinated volatile hydrocarbons in soil systems;
 - c) a letter regarding EPA's and Maryland Department of the Environment's comments on the Treatability Study Work Plan, dated April 3, 1992;
 - d) EPA's comments on the Treatability Study

Work Plan;

- e) a letter regarding Maryland Department of the Environment's comments on the Treatability Study Work Plan, dated March 24, 1992;
- f) Maryland Department of the Environment's comments on the Treatability Study Work Plan;
- g) a memorandum regarding collection of additional data for a soil vapor extraction pilot study, dated May 12, 1992.

- 115. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Summary of agreements reached in a May 8, 1992 meeting and clarification of comments on the Remedial Investigation and the preliminary Feasibility Study, 6/10/92. P. 306060-306061.
- 116. Letter to Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debra Rossi, U.S. EPA, re: Comments on the Septic System Drain Field Investigation Report, 6/11/92. P. 306062-306062.
- 117. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., and Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debra Rossi, U.S. EPA, re: EPA's and Maryland Department of the Environment's comments on the Addendum Baseline Risk Assessment and the preliminary Feasibility Study for Septic System Drain Field Soils, 6/12/92. P. 306063-306077. The following are attached:
 - a) the comments on the Addendum Baseline Risk Assessment and the preliminary Feasibility Study for Septic System Drain Field Soils;
 - b) Appendix A, Glossary of Data Qualifier

Codes;

- c) Table 1, Water Samples, Volatile Analytical Results;
- d) Table 2, Soil Samples, Volatile Analytical Results;
- e) Table 3, Soil Samples, BNAS Analytical Results;
- f) Table 4, Soil Samples, BNAS Analytical Results (continued);
- g) Table 5, Soil Samples, Pesticides/Aroclors Analytical Results;
- h) Table 6, Soil Samples, Inorganic Analytical Results.

- 118. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Joseph P. Lewandowski, Environmental Resources Management, Inc., re: Responses to EPA's comments on the Septic System Drain Field Investigation, 6/23/92. P. 306078-306094.
- 119. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Response to comments on the ground water remediation goal, 7/6/92. P. 306095-306096.
- 120. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Minor modification to the Administrative Consent Order, 7/10/92. P. 306097-306098.
- 121. Memorandum to Ms. Felicia Dailey, Agency for Toxic Substances and Disease Registry (ATSDR), from Ms. Debra Rossi, U.S. EPA, re: Review of the Initial Release Public Health Assessment, 7/16/92. P. 306099-306104. The review comments are attached.

122. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Sampling work done to appropriately analyze sludge in cell B/C and work completed for the Remedial Investigation, 8/7/92. P. 306105-306106.
123. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., and Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debra Rossi, U.S. EPA, re: Conditional approval of the Remedial Investigation Report and Bridgestone/Firestone, Inc.'s responses to EPA's comments on the preliminary Feasibility Study, 8/13/92. P. 306107-306123. EPA's comments on responses and revisions to the Remedial Investigation Report and preliminary Feasibility Study and the State of Maryland's comments and responses on the RI/FS are attached.
124. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Review of a proposal for wetlands delineation, 8/18/92. P. 306124-306124.
125. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Comments presented by EPA that need to be discussed before the Feasibility Study can be undertaken, 8/20/92. P. 306125-306126.
126. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., and Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debra Rossi, U.S. EPA, re: Performance of additional response actions for the RI/FS, 8/24/92. P. 306127-306128.
127. Letter to Mr. George B. Markert,

Bridgestone/Firestone, Inc., and Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debra Rossi, U.S. EPA, re: Review of the proposal for disposal of drummed residuals, 9/2/92. P. 306129-306129.

- 128. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Summary of agreements reached during an August 31, 1992 meeting, concerning eight RI/FS issues, 9/2/92. P. 306130-306133.
- 129. Letter to Ms. Elaine Nolen, Maryland Department of the Environment, from Ms. Debra Rossi, U.S. EPA, re: Request for State action-specific ARARs and materials to-be-considered for the site, 9/8/92. P. 306134-306135.
- 130. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., and Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debra Rossi, U.S. EPA, re: Concurrence with the eight RI/FS issues discussed in a September 2, 1992 letter, 9/14/92. P. 306136-306137.
- 131. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. George B. Markert, Bridgestone/Firestone, Inc., re: Response to a letter concerning the resolution of the eight RI/FS issues, 9/18/92. P. 306138-306139.
- 132. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., and Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debra Rossi, U.S. EPA, re: Agreement on RI/FS issues, 9/28/92. P. 306140-306140.
- 133. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Disposal of waste generated during sampling of cell B/C wastes, 10/19/92. P. 306141-306141.

134. Letter to Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debra Rossi, U.S. EPA, re: Comments on the Septic System Drain Field Investigation not adequately addressed in a June 23, 1992 response, 11/13/92. P. 306142-306144.
135. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Acceptance of Revision 01 of the Remedial Investigation, 11/30/92. P. 306145-306145.
136. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Joseph P. Lewandowski, Environmental Resources Management, Inc., re: Responses to comments on the Septic System Drain Field Investigation that were not adequately addressed, 12/2/92. P. 306146-306155. Table 2-2, Soil Samples with Low Internal Standard Areas for Semivolatile Organic Compounds, is attached.
137. Letter to Ms. Debra Rossi, U.S. EPA, from Ms. Elaine C. Nolen, Maryland Department of the Environment, re: Transmittal of the final version of the State ARARs, 12/3/92. P. 306156-306161. The ARARs are attached.
138. Letter to Ms. Debra Rossi, U.S. EPA from Mr. Stephan C. Anderson, B&V Waste Science and Technology Corp., re: Transmittal of the first laboratory results from the analysis of samples from boreholes BV-5 and BV-8, 12/3/93. P. 306162-306166. The laboratory results are attached.
139. Letter to Ms. Debbie Rossi, U.S. EPA, from Mr. Joseph P. Lewandowski, Environmental Resource Management, Inc., re: Review comments on the Septic System Drain Field Baseline Risk Assessment, 12/7/93. P. 306167-306172.

140. Memorandum to Mr. Don Henne, U.S. Department of the Interior, Mr. Peter Knight, U.S. EPA, Mr. Anthony Conte, U.S. DOI and Ms. Kirsten Erickson, National Oceanic and Atmospheric Agency (NOAA), from Ms. Debra Rossi, U.S. EPA, re: Notification that the RI/FS is nearing completion and a request for NOAA and DOI to initiate a position on granting a Covenant Not to Sue for Natural Resources Damages, 12/15/92. P. 306173-306173.
141. Letter to Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debra Rossi, U.S. EPA, re: Comments on the Baseline Risk Assessment that were not taken into consideration by EPA due to a late submittal, 12/28/92. P. 306174-306174.
142. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Mr. Joseph P. Lewandowski, Environmental Resource Management, Inc., re: Comments on the draft Feasibility Study, 12/28/92. P. 306175-306176.
143. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Stephen C. Anderson, B&V Waste Science and Technology Corp., re: Summary report of soil sampling conducted on October 26 and 27, 1/4/93. P. 306177-306226. The summary report and a Federal Express receipt are attached.
144. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Stephen C. Anderson, B&V Waste Science Technology Corp., re: Data Validation for SAS Number 7568C-01, 1/28/93. P. 306227-306264. The following are attached:
- a) a memorandum regarding the approved Data Validation Report for SAS Number 7568C-01, dated January 21, 1993;
 - b) a Data Validation Evaluation Checklist;
 - c) a telephone conversation record regarding compounds qualified as "L," dated December

9, 1992;

d) the Data Validation Report for SAS Number 7568C-01.

145. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., and Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debra Rossi, U.S. EPA, re: Comments on the draft Feasibility Study, 1/29/93. P. 306265-306299. The comments are attached.
146. Report: Public Health Assessment, Woodlawn Landfill, Cecil County, Maryland, prepared by Maryland Department of the Environment and ATSDR, 2/93. P. 306300-306340. A cover letter dated February 12, 1993 is attached.
147. Letter to Ms. Elaine Nolen, Maryland Department of the Environment, from Ms. Debra Rossi, U.S. EPA, re: Clarification of State ARARs, 2/8/93. P. 306341-306343.
148. Letter to Mr. Barry Belford, Cecil County Department of Public Works, from Ms. Debra Rossi, U.S. EPA, re: Disapproval of responses to the December 2, 1992 comments on the septic system drain field investigation, 2/23/93. P. 306344-306344.
149. Letter to Ms. Debbie Rossi, U.S. EPA, from Mr. Peter H. Chapman, B&V Waste Science and Technology Corp., re: Transmittal of the Data Validation Report for Case Number 19044, 2/25/93. P. 306345-306400. A memorandum dated February 17, 1993 regarding the approved Data Validation Report for Case Number 19044, a Data Validation Evaluation Checklist, and the Data Validation Report for Case Number 19044 are attached.
150. Report: Feasibility Study, Woodlawn Landfill RI/FS, Cecil County, Maryland, prepared by

International Technology Corporation, 4/93. P.
306401-307467.

151. Letter to Mr. George B. Markert,
Bridgestone/Firestone, Inc., from Mr. Joseph P.
Lewandowski, Environmental Resources Management,
Inc., re: Comments on the draft Feasibility
Study, 2/16/93. P. 307468-307470.
152. Letter to Mr. Barry Belford, Cecil County
Department of Public Works, from Mr. George B.
Markert, Bridgestone/ Firestone, Inc., re:
Options for remediation of Transfer Station
soils evaluated in the Feasibility Study Report,
3/8/93. P. 307471-307474. A photograph of
overflow from the Transfer Station septic system
is attached.
153. Letter to Mr. George B. Markert,
Bridgestone/Firestone, Inc., from Mr. Joseph P.
Lewandowski, Environmental Resources Management,
Inc., re: Responses to comments on and
revisions to the draft Feasibility Study,
3/16/93. P. 307475-307476.
154. Letter to Mr. George B. Markert,
Bridgestone/Firestone, Inc., from Ms. Debra
Rossi, U.S. EPA, re: Conditional approval of
the draft Feasibility Study, 4/1/93. P.
307477-307489. Comments on the draft
Feasibility Study are attached.
155. Letter to Ms. Debra Rossi, U.S. EPA, from Ms.
Elaine C. Nolen, Maryland Department of the
Environment, re: Comments on
Bridgestone/Firestone's responses to EPA's
comments on the draft Feasibility Study, 4/8/93.
P. 307490-307491. The comments are
attached.
156. Letter to Mr. George B. Markert,
Bridgestone/Firestone, Inc., from Ms. Debra
Rossi, U.S. EPA, re: Approval of the
Feasibility Study, 5/4/93. P. 307492-307492.
157. Letter to Ms. Debra Rossi, U.S. EPA, from Ms.

- Elaine C. Nolen, Maryland Department of the Environment, re: Transmittal and description of the final ARARs for the site, 5/11/93. P. 307493-307497. A chart of ARARs is attached.
158. Proposed Plan, Woodlawn Landfill Superfund Site, 5/26/93. P. 307498-307519.
159. Maryland Title 10, Department of Health and Mental Hygiene, Subtitle 51: Disposal of Designated Hazardous Substances, 2/11/85. P. 307520-307552.
160. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Peter H. Chapman, B&V Waste Science and Technology Corp., re: Release of Data Validation Report, 2/25/92. P. 307553-307575. A memorandum regarding the Region III CLP Data Quality Assurance Review and the Data Validation Report for Case Number 17587 Inorganic are attached.
161. Letter to Ms. Debra Rossi, U.S. EPA, from Ms. Elaine C. Nolen, Maryland Department of the Environment, re: Comments on the Draft Proposed Plan, 5/19/93. P. 307576-307579. The comments are attached.
162. Letter to Ms. Elaine Nolen, Maryland Department of the Environment, from Ms. Debra Rossi, U.S. EPA, re: Information on the draft Record of Decision (ROD), 7/13/93. P. 307580-307580.
163. Letter to Mr. Thomas C. Voltaggio, U.S. EPA, from Mr. Jonathan P. Deason, United States Department of the Interior, re: Preparation of a Preliminary Natural Resources Survey, 7/19/93. P. 307581-307591. A Technical Analysis of the Woodlawn Landfill Superfund Site is attached.
164. Letter to Ms. Deorah [sic] Rossi, U.S. EPA, from Mr. Sean P. Morrison, U.S. Department of Commerce, re: Comments on the ROD, 7/21/93. P. 307592-307592.

165. Letter to Ms. Debra Rossi, U.S. EPA, from Ms. Deborah E. Jennings and Mr. William W. Toole, Piper & Marbury, re: Comments on the Remedial Investigation, Baseline Risk Assessment, Feasibility Study, and the Proposed Remedial Action Plan, 7/23/93. P. 307593-307615. An Affidavit of Barry G. Belford and a report entitled "Preliminary Assessment and Site Evaluation Woodlawn Transfer Station" are attached.
166. Letter to Ms. Debra Rossi and Ms. Terri White, U.S. EPA, from Ms. Victoria H. Roberts, Rawle & Henderson, re: Comments on the Proposed Remedial Action Plan, 7/23/93. P. 307616-307617.
167. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Well head treatment required at a Domestic Well, 7/28/93. P. 307618-307619.
168. Letter to Ms. Debra Rossi, U.S. EPA, from Ms. Victoria H. Roberts, Rawle & Henderson, re: Work plan requested in the July 28, 1993 letter, 8/12/93. P. 307620-307622. The Work Plan for the Well Head Treatment System is attached.
169. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Barry G. Belford, Cecil County Government, re: Cecil County's joining with Bridgestone/Firestone in its submission of a work plan for the Well Head Treatment System, 8/13/93. P. 307623-307623.
170. Letter to Ms. Debra Rossi, U.S. EPA, from Ms. Elaine C. Nolen, Maryland Department of the Environment, re: Comments on the Draft Decision Summary, 8/23/93. P. 307624-307626. The comments are attached.
171. Letter to Ms. Elaine Nolen, Maryland Department of the Environment, from Ms. Debra Rossi, U.S. EPA, re: Request for the state to review the

- ROD and submit concurrence, 8/26/93. P. 307627-307627.
172. Letter to Mr. George B. Markert, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Approval of the Work Plan for a Well Head Treatment System at a Domestic Well, 9/9/93. P. 307628-307628.
173. Letter to Ms. Elaine Nolen, Maryland Department of the Environment, from Ms. Debra Rossi, U.S. EPA, re: Review of the final ROD, 9/15/93. P. 307629-307629.
174. Letter to Ms. Debra Rossi, U.S. EPA, from Ms. Elaine C. Nolen, U.S. EPA, re: Comments on the Interim Final ROD, 9/21/93. P. 307630-307632. The comments are attached.
175. Record of Decision, Woodlawn Landfill Site, Declaration, 9/28/93. P. 307633-307751.
176. Report: Woodlawn Landfill, Draft Remedial Design Work Plan, Cecil County, Maryland, EPA Docket No. III-95-05-DC, prepared by Harding Lawson Associates (Harding Lawson), 2/17/95. P. 307752-308457.
177. Letter to Ms. Debra Rossi, U.S. EPA, from Ms. Michelle Mulcahy, Harding Lawson, re: Update on the status of the landfill gas studies and summary of the recommended approach for handling landfill gas emissions, 2/12/96. P. 308458-308483. A table entitled "Landfill Gas Generation and Collection," (undated) and a table providing various chemical emission rates (undated) are attached.
178. Memorandum to Ms. Debra Rossi, U.S. EPA, from Ms. Patricia Flores, U.S. EPA, re: Comments on the February 12, 1996, Landfill Gas Evaluations submitted by Harding Lawson, 3/5/96. P. 308484-308485.

179. Letter to Mr. Timothy Bent,
Bridgestone/Firestone, Inc., from Ms. Debra
Rossi, U.S. EPA, re: Conditional approval of
the December 28, 1995, Draft Phase I, Task I
Technical Memorandum; Environmental Resources
Inventory, 3/13/96. P. 308486-308487.
180. Letter to Ms. Debra Rossi, U.S. EPA, from Mr.
Jason Schindler and Mr. Matthew Gordon, Harding
Lawson, re: Results of the field Quality
Assurance (QA) audit performed during the pre-
design investigation on March 12, 1996, 3/27/96.
P. 308488-308491.
181. Letter to Mr. Timothy Bent,
Bridgestone/Firestone, Inc., from Ms. Debra
Rossi, U.S. EPA, re: Approval of the April 9,
1996, Addendum to the Stream Sampling Plan
contained in the December 28, 1995, Draft Phase
I, Task I Technical Memorandum, and notification
of two concerns based on the April 10, 1996,
site visit, 4/15/96. P. 308492-308497. The
following are attached:
- a) an April 15, 1992, letter to Ms. Debra
Rossi, U.S. EPA, from Mr. George Markert,
Bridgestone/Firestone, Inc., regarding the
program for disposal of containerized
residuals;
 - b) a table entitled "Table 1, Hazardous Wastes
Characteristics (Soil Drum Samples)"
(undated);
 - c) a September 2, 1992, letter to Mr. George
Markert, Bridgestone/Firestone, Inc., from
Ms. Debra Rossi, U.S. EPA, accepting the
PRPs' April 15, 1992, proposal for the
disposal of drummed residuals.
182. Letter to Mr. Timothy Bent,
Bridgestone/Firestone, Inc., and Mr. Joseph
Lewandowski, Environmental Resources Management,
Inc. (ERM) from Ms. Debra Rossi, U.S. EPA, re:
Request for the certification which appears in
the Administrative Order for Remedial Design and

Remedial Action, Docket No. III-95-05-DC, to be signed and included in the Phase I Hydrogeological Technical Memorandum due the first week of July 1996 and for the identification of deliverables which will include certification, 6/25/96. P. 308498-308498.

183. Letter to Mr. Timothy Bent, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Approval of the June 12, 1996, revised Woodlawn Landfill remedial design project schedule and Harding Lawson's February 12, 1996, recommendations for no additional landfill gas testing and for a passive gas collection system which can be converted to an active system in the future, 6/25/96. P. 308499-308500.
184. Letter to Mr. Timothy Bent, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Approval of the July 30, 1996, document certification proposal; request for justification for not listing specific deliverables in the document certification proposal; and acceptance of selecting Lancaster Laboratories, Inc. for the analysis of semivolatile organic compounds in drinking water samples, and Chyun Associates, Inc. for the analysis of selected water quality parameters in site samples, 8/19/96. P. 308501-308501.
185. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Timothy Bent, Bridgestone/Firestone, Inc., re: Notification that Geraghty & Miller, Inc. (Geraghty & Miller) will replace Harding Lawson as the remedial design contractor at the site and that Harding Lawson will continue to perform all required ecological work as a subcontractor, 9/6/96. P. 308502-308503.
186. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Jason Schindler and Mr. Edward Nemecek, Harding Lawson, re: Proposal for two ground water monitoring wells to be located approximately 300 feet to the northeast of existing well ITB-1, in

response to EPA's August 14, 1996, letter to Bridgestone/Firestone, Inc., 9/17/96. P. 308504-308506. A May 20, 1996, figure entitled "Exploratory Borings & Monitoring Well Locations" is attached.

187. Letter to Mr. Timothy Bent, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Acceptance of Bridgestone/Firestone, Inc.'s selection of Geraghty & Miller as the new remedial design contractor, 9/18/96. P. 308507-308507.
188. Letter to Mr. Timothy Bent, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Approval of the locations and procedures for installation of ground water monitoring wells MW-109A and MW-109B, as proposed in a September 17, 1996, letter from Harding Lawson, 9/23/96. P. 308508-308508.
189. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Jeffrey Smith and Dr. Suthan Suthersan, Geraghty & Miller, re: Confirmation of EPA's verbal approval of the constant-rate aquifer performance test (APT) procedures proposed in the September 23, 1996, technical memorandum and notification that the original proposed location for the installation of the northern monitoring wells MW-109A and MW-109B has been revised in response to EPA comments concerning data gaps, 9/25/96. P. 308509-308509.
190. Letter to Mr. Timothy Bent, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Confirmation of EPA's verbal approval of the September 23, 1996, APT design proposal and Bridgestone/Firestone, Inc.'s proposal for the relocation of wells MW-109A and MW-109B, 9/30/96. P. 308510-308510.
191. Letter to Ms. Debra Rossi, U.S. EPA, from Ms.

Cristina Stack, Mr. Jeffrey Smith, and Dr. Suthan Suthersan, Geraghty & Miller, re: Progress Report for Remedial Design/Remedial Action (RD/RA) activities performed during the month of September 1996, 10/10/96. P. 308511-308548. A table entitled "Water-Level Gauging Data, September 26, 1996, Woodlawn Landfill Site, Colora, Cecil County, Maryland" and Appendixes A through E are attached.

192. Letter to Mr. Timothy Bent, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Partial approval of the September 26, 1996, revised remedial design project schedule, and reminder of Bridgestone/Firestone, Inc.'s commitment to model a hypothetical future pumping scenario, 10/21/96. P. 308549-308550.
193. "Briefing Book, Woodlawn Landfill Site, Cecil County, Maryland," prepared by Geraghty & Miller, 11/5/96. P. 308551-308601. A November 5, 1996, "Woodlawn Meeting" attendance list and November 5, 1996, handwritten notes are attached.
194. Letter from Ms. Debra Rossi, U.S. EPA, re: Transmittal of documents related to the Woodlawn Site, including the Remedial Investigation Report, APT design memorandum, overheads presented on November 5, 1996, and Draft Phase I Hydrogeological Investigation Technical Memorandum, 11/6/96. P. 308602-308602.
195. Letter to Ms. Debra Rossi, U.S. EPA, from Ms. Cristina Stack, Mr. Jeffrey Smith, and Dr. Suthan Suthersan, Geraghty & Miller, re: Progress Report for RD/RA activities performed during the month of October 1996, 11/11/96. P. 308603-308871. The following are attached:
 - a) a table entitled "Table 1, Water Level Gauging Data, October 7, 1996, Woodlawn Landfill Site, Colora, Maryland;"
 - b) a table entitled "Table 2, Well

Construction Details and Water-Levels for Monitoring Wells Used During the October 1, to October 7, 1996, Aquifer Pumping Test at the Woodlawn Landfill Site, Colora, Cecil County, Maryland" (undated);

c) a figure entitled "Figure 1, Groundwater Elevations, October 7, 1996;"

d) Appendixes A through K.

196. Memorandum to Ms. Debra Rossi, U.S. EPA, from Mr. Scott Potter, Geraghty & Miller, re: Summary of the significant tasks completed and the preliminary findings of the ground water modeling task, 11/11/96. P. 308872-308887. The following are attached:

a) a November 12, 1996, facsimile transmittal to Ms. Debra Rossi, U.S. EPA, and Ms. Mindi Snuparski from Mr. Jeff Smith, Geraghty & Miller;

b) a November 10, 1995, figure entitled "Extent of Model Domain and Boundary Conditions;"

c) an October 28, 1996, figure entitled "Finite Difference Grid with Boundary Conditions in the Vicinity of the Woodlawn Landfill;"

d) an October 28, 1996, figure entitled "Hydraulic Conductivity Zonation for Model Layer 1;"

e) an October 28, 1996, figure entitled "Hydraulic Conductivity Zonation for Model Layer 2;"

f) an October 28, 1996, figure entitled "Precipitation Recharge Zonation;"

g) an October 28, 1996, figure entitled "Simulated Water Levels and Residuals for Model Layer 1;"

- h) an October 28, 1996, figure entitled "Simulated Water Levels and Residuals for Model Layer 2."
197. "Groundwater Modeling Presentation, Woodlawn Landfill Site," prepared by Geraghty & Miller, 11/13/96. P. 308888-308945. A November 13, 1996, "Woodlawn Ground Water Modeling Meeting" attendance sheet and handwritten notes (undated) are attached.
198. Figure entitled "Status of Woodlawn Landfill and Vicinity Water Supply Availability," (no author cited), 11/21/96. P. 308946-308948. A November 21, 1996, facsimile transmittal to Mr. Jeff Smith from Mr. James Gravette, MDE, and a table entitled "Summary Table (as of 11/12/96)," are attached.
199. Training announcement entitled "Natural Attenuation of Chlorinated Solvents in Ground Water, An Approach for the Preliminary Screening of Sites," (no author cited), 12/2/96. P. 308949-308950. A November 13, 1996, facsimile transmittal to Ms. Debra Rossi, U.S. EPA, from Mr. John Wilson, U.S. EPA, is attached.
200. "Woodlawn Meeting" attendance sheet, 12/9/96. P. 308951-308951.
201. Letter to Ms. Debra Rossi, U.S. EPA, from Ms. Cristina Stack, Mr. Jeffrey Smith, and Dr. Suthan Suthersan, Geraghty & Miller, re: Progress Report for Remedial Design/Remedial Action (RD/RA) activities performed during the month of November 1996, 12/11/96. P. 308952-309003. The following are attached:
- a) a table entitled "Table 1, Water Level

Gauging Data Collected on November 18, 1996, at the Woodlawn Landfill Site in Cecil County, Maryland;"

- b) a table entitled "Table 2A, Summary of Laboratory Analytical Data for Well 106B During Aquifer Pumping Test Sampling from October 1, to 4, 1996, at the Woodlawn Landfill Site in Cecil County, Maryland;"
- c) a table entitled "Table 2B, Summary of Laboratory Analytical Data for Well 106B During Aquifer Pumping Test Sampling from October 1, to 4, 1996, at the Woodlawn Landfill Site in Cecil County, Maryland;"
- d) a table entitled "Table 2C, Summary of Laboratory Analytical Data for Well 106B During Aquifer Pumping Test Sampling from October 1, to 4, 1996, at the Woodlawn Landfill Site in Cecil County, Maryland;"
- e) a table entitled "Table 3, Unvalidated Data Summary for Groundwater Samples Collected from Residential Wells P-506 and P-309 on August 21, 1996, at the Woodlawn Landfill Site in Cecil County, Maryland;"
- f) a figure entitled "Figure 1, Groundwater Elevations, November 18, 1996;"
- g) Appendixes A through D.

- 202. "Woodlawn Ground Water Modeling Meeting" attendance sheet, 12/18/96. P. 309004-309006. December 18, 1996, "Woodlawn Meeting" handwritten notes are attached.
- 203. "Groundwater Modeling Presentation - Solute Transport Model Calibration, Woodlawn Landfill Site," prepared by Geraghty & Miller, 12/18/96. P. 309007-309030.
- 204. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Timothy Bent, Bridgestone/Firestone, Inc., re: Transmittal of historical vinyl chloride

- analytical results from wells ITB-6, P-309, and B-6, 12/20/96. P. 309031-309034. Three graphs of the analytical results for the wells (undated) are attached.
205. "Groundwater Modeling Presentation, Solute Transport Model Calibration, Woodlawn Landfill Site," prepared by Geraghty & Miller, 1/8/97. P. 309035-309068.
206. "Woodlawn" handwritten notes, (no author cited), 1/8/97. P. 309069-309071.
207. Letter to Ms. Debra Rossi, U.S. EPA, from Ms. Cristina Stack, Mr. Jeffrey Smith, and Dr. Suthan Suthersan, Geraghty & Miller, re: Annual Progress Report for RD/RA activities performed during 1996, 1/23/97. P. 309072-309080. A figure entitled "Figure 1-1, Bridgestone Firestone Project Schedule, Woodlawn Landfill, Cecil County, Maryland," (undated) is attached.
208. "MDE Waste Management Administration, Environmental Restoration and Redevelopment Program, Comments on: Woodlawn Landfill Superfund Site Final Draft, Baseline Stream Sampling Results, Phase I Task II Technical Memorandum, Cecil County, Maryland, February 5, 1997," 2/5/97. P. 309081-309085. "MDE Waste Management Administration, Environmental Restoration and Redevelopment Program, Comments on: Woodlawn Landfill Superfund Site Draft Baseline Benthic Macroinvertebrate Sampling Results, Phase I Task III Technical Memorandum, Cecil County, Maryland, February 5, 1997," and a March 5, 1997, letter to Ms. Debra Rossi, U.S. EPA, from Mr. James Gravette, MDE, are attached.
209. Letter to Mr. Timothy Bent, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Comments on Geraghty & Miller's January 1997 Draft Sampling and Analysis Plan (SAP) for Groundwater Monitoring and Natural Attenuation Evaluation and request for appropriate pages of the SAP to be revised

prior to the initiation of field work, 2/11/97.
P. 309086-309088.

210. Report: Sampling and Analysis Plan for Groundwater Monitoring and Natural Attenuation Evaluation, Woodlawn Landfill Site, Cecil County, Maryland, prepared by Geraghty & Miller, 2/24/97. P. 309089-309174.
211. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. James Gravette, Maryland Department of the Environment (MDE), re: Notification that MDE reviewed the January 1997 Draft Work Plan for Demonstration of Natural Attenuation and Preliminary Feasibility Study Addendum and has no comments at the time, 2/27/97. P. 309175-309175.
212. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Jeffrey Smith and Dr. Suthan Suthersan, Geraghty & Miller, re: Additional information on the administrative and technical options discussed on May 27, 1997, regarding the RD/RA at the site, and summary of various conceptual landfill cover system options, 6/2/97. P. 309176-309780.
213. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Jeffrey Smith and Dr. Suthan Suthersan, Geraghty & Miller, re: Response to EPA's comments on the Pre-design Investigation Report and Feasibility Study Addendum and the Preliminary Design Report, 6/3/97. P. 309181-309457. The following are attached:
- a) a table entitled "Table 1, Landfill Leachate Characteristics from Residential-Type Solid Waste and Subtitle D Disposal Facilities;"
 - b) 28 figures concerning ground water and chemical concentrations in ground water;

- c) "Attachment A, Pesticide Occurrence Summary;"
- d) "Attachment B, Background Concentration Statistical Calculation;"
- e) "Attachment C, Boring Logs, Test Pit Logs and Laboratory Data;"
- f) "Attachment D, Technical Memorandum."

- 214. Letter to Ms. Debra Rossi, U.S. EPA, from Ms. Cristina Stack, Mr. Jeffrey Smith and Dr. Suthan Suthersan, Geraghty & Miller, re: Progress Report for the RD/RA activities performed during the month of May 1997, 6/10/97. P. 309458-309558. Appendixes A through C are attached.
- 215. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Jeffrey Smith and Dr. Suthan Suthersan, Geraghty & Miller, re: Response to EPA's May 12, 1997, comments on the Draft Baseline Benthic Macroinvertebrate Sampling Results: Phase I Task II Technical Memorandum and the Final Draft Baseline Stream Sampling Results: Phase I Task III Technical Memorandum, 6/19/97. P. 309559-309654. Attachments A through C and Appendix D are attached.
- 216. Letter to Ms. Debra Rossi, U.S. EPA, from Ms. Dawn Ioven, U.S. EPA, re: Proposal of remediation goals based on the review of Table 10 of the Woodlawn ROD, 6/20/97. P. 309655-309657. A June 23, 1997, electronic mail memorandum to Ms. Debra Rossi, U.S. EPA, from Ms. Dawn Ioven, U.S. EPA, regarding remediation goals for non-carcinogens, is attached.
- 217. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Jeffrey Smith and Dr. Suthan Suthersan, Geraghty & Miller, re: Supplemental information regarding comparing published leachate indicator data for landfills with reported concentrations

in Woodlawn ground water; tables summarizing ground water analytical results; analytical results for ground water analyzed for polynuclear aromatic hydrocarbons and pentachlorophenol; and vinyl chloride and analytical holding times, 6/24/97. P. 309658-309684. A table, four figures, and two guidance documents are attached.

218. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Jeffrey Smith and Dr. Suthan Suthersan, Geraghty & Miller, re: Summary of plans and schedules regarding the ground water remedy of monitored natural attenuation, 7/16/97. P. 309685-309686.
219. Table entitled "Identification of Residential Wells Used in Statistical Analysis of Background Data, Woodlawn Landfill, Cecil County, MD," (no author cited), 7/23/97. P. 309687-309691. A July 23, 1997, facsimile transmittal to Ms. Debra Rossi, U.S. EPA, from Mr. Jeff Smith, Geraghty & Miller, and a table entitled "Arsenic and Manganese Data from Background Locations, Bridgestone/Firestone Woodlawn," are attached.
220. Report: Opportunities for Wildlife Habitat Enhancement at the Bridgestone/Firestone Woodlawn Landfill, prepared by Wildlife Habitat Council, 7/31/97. P. 309692-309883. The following are attached:
- a) an October 1, 1997, transmittal letter to Ms. Debra Rossi, U.S. EPA, from Mr. Timothy Bent, Bridgestone/Firestone, Inc.;
 - b) a Wildlife Habitat Council pamphlet entitled "Wildlife Habitat Certification Program;"
 - c) a U.S. Fish and Wildlife Service (FWS)

pamphlet entitled "Help Change the Face of Our Landscape: Bay Scapes."

221. "MDE Waste Management Administration, Environmental Restoration and Redevelopment Program, Comments on: Woodlawn Landfill Superfund Site, June 1997 Progress Report, Cecil County, Maryland, July 9, 1997," 8/1/97. P. 309884-309886. An August 1, 1997, transmittal letter to Ms. Debra Rossi, U.S. EPA, from Mr. James Gravette, MDE, is attached.
222. Letter to Mr. Timothy Bent, Bridgestone/Firestone, Inc., from Mr. Abraham Ferdas, U.S. EPA, re: Notification that EPA will propose an amendment to the September 28, 1993, ROD and that the amendment will identify monitored natural attenuation, ground water use restrictions, and an alternate water supply, as necessary, as the preferred alternative for achieving remedial objectives, 8/6/97. P. 309887-309888.
223. Letter to Ms. Debra Rossi, U.S. EPA, from Ms. Cristina Stack, Mr. Jeffrey Smith, and Dr. Suthan Suthersan, Geraghty & Miller, re: Progress Report for the RD/RA activities performed during the month of July 1997, 8/7/97. P. 309889-309956. An August 6, 1997, figure entitled "Continuous Water-Level Data, Monitoring Well MW-106A," and Appendixes A and B are attached.
224. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. James Gravette, MDE, re: Response to Geraghty & Miller's July 16, 1997, letter regarding the monitored natural attenuation remedy and clarification that MDE is concerned with three, not two, areas which may represent preferred migration pathways for contaminated ground water to leave the site, 8/8/97. P. 309957-309958.

225. Letter to Mr. Timothy Bent, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Comments on the June 3, 1997, responses to EPA comments on the Pre-design Investigation Report/Feasibility Study (FS) Addendum and Preliminary Design Reports, and request for a written response to the comments, a schedule for submittal of a revised focused FS, and an outline of the content of the revised focused FS, 8/20/97. P. 309959-309970. A table entitled, "Table 1, Summary of Historical Beryllium, Manganese, and Nickel Concentrations, Field Measurements and Indicator Parameters, Kane and Lombard Study Area, Baltimore Maryland" (undated) is attached.
226. Memorandum to Mr. Kenneth Brown, U.S. EPA, from Ms. Debra Rossi, U.S. EPA, re: Request for assistance in determining background concentrations of arsenic and manganese in ground water and in evaluating analyses to be provided by Geraghty & Miller, 9/8/97. P. 309971-309973. A January 31, 1997, figure entitled "Draft, Figure 2-6, Observed Water Levels, March, 1996" and a February 19, 1997, site location map are attached.
227. "MDE Waste Management Administration, Environmental Restoration and Redevelopment Program, Comments on: Woodlawn Landfill Superfund Site, July 1997 Progress Report, Cecil County, Maryland, August 7, 1997," 9/9/97. P. 309974-309975. A September 9, 1997, transmittal letter to Ms. Debra Rossi, U.S. EPA, from Mr. James Gravette, MDE, is attached.
228. Letter to Mr. James Gravette, MDE, from Ms. Debra Rossi, U.S. EPA, re: Determination that the August 26, 1997, revised ground water use restrictions recommended by MDE would satisfy the performance standard for ground water use restrictions specified in EPA's September 1993 ROD, 9/30/97. P. 309976-309977. A September 26, 1997, figure entitled "Status of the Woodlawn Superfund Site and Vicinity, Water

Supply Availability" is attached.

229. Memorandum to Ms. Debra Rossi, U.S. EPA, from Ms. Patricia Flores-Brown, U.S. EPA, re: Calculations for the amount of methane, carbon dioxide, and non-methane organic compound emissions expected for the site, using the EPA landfill air emissions estimation model, 10/7/97. P. 309978-309984. The results from running the model and a graph entitled "Projected Methane Emissions" are attached.
230. Letter to Mr. Timothy Bent, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Request for clarification of background sample data and for additional information, 10/21/97. P. 309985-309985.
231. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Jeffrey Smith and Dr. Suthan Suthersan, Geraghty & Miller, re: Transmittal of "northing" and "easting" coordinates of the sampled well locations and data qualifier definitions, in response to EPA's October 21, 1997, request for clarification, and explanation of data fields in the "Background Only" worksheet, 11/6/97. P. 309986-309990. The following are attached:
- a) a table entitled "Table 2, Summary of Water Level and Survey Data for Monitoring Wells, Woodlawn Landfill RI/FS," (undated);
 - b) a table showing "northing" and "easting" coordinates for monitoring wells and stream

points (undated);

- c) a list of definitions entitled "Metals Analysis, Data Qualifiers," (undated);
- d) a list of definitions entitled "Organics Analysis, Data and Sample Qualifiers," (undated).

232. Electronic mail memorandum to Ms. Debra Rossi, U.S. EPA, from Mr. Laurence Hull, U.S. EPA, re: Recommendations for applying EPA guidance for evaluating attainment of clean-up levels, 11/18/97. P. 309991-310001. A November 21, 1997, transmittal memorandum to Ms. Debra Rossi, U.S. EPA, from Mr. Ken Brown, U.S. EPA, and comments entitled "Comments on Woodlawn Landfill Attainment of Remediation Goals," prepared by Mr. Bob Gerlach, are attached.
233. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Robert Pennington, U.S. FWS, re: Comments on the Draft Phase II, Tasks I and II Technical Memorandum Landfill Cover System Habitat Impact Analysis and Environmental Restoration Plan, 12/1/97. P. 310002-310006.
234. Letter to Ms. Patricia Hilsinger, U.S. EPA, from Mr. Kevin Gaynor, Vinson & Elkins Attorneys at Law, re: Cecil County's concerns regarding the possible approval of a reduced-cost remedy and transmittal of information which supports the county's concerns, 12/9/97. P. 310007-310021. The following are attached:
- a) excerpts from the December 1, 1997, "Draft Phase II, Tasks I and II Technical Memorandum Landfill Cover System Habitat Impact Analysis and Environmental Restoration Plan, Woodlawn Landfill, Coloma Township, Cecil County, Maryland;"
 - b) an October 14, 1997, letter to Ms. Debra Rossi, U.S. EPA, from Mr. Jeffrey Smith and Dr. Suthan Suthersan, Geraghty & Miller, including excerpts from the "Focused

Feasibility Study Groundwater Remedy,
Woodlawn Landfill Site, Cecil County,
Maryland."

235. Report: Site Review and Update, Woodlawn Company Landfill, Woodlawn, Cecil County, Maryland, CERCLIS No. MDD980504344," prepared by ATSDR, 12/10/97. P. 310022-310037.
236. Letter to Mr. Timothy Bent, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Comments on Geraghty & Miller's December 3, 1997, proposed clean-up levels for ground water contaminants with non-carcinogenic endpoints, 12/24/97. P. 310038-310039.
237. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Jeffrey Smith and Dr. Suthan Suthersan, Geraghty & Miller, re: Notification of a potential exceedance of ground water clean-up levels in two water samples collected during the November 1997 annual residential well sampling program, 1/5/98. P. 310040-310041.
238. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Douglas Schaible, Mr. Jeffrey Smith, and Dr. Suthan Suthersan, ARCADIS Geraghty & Miller, Inc. (Geraghty & Miller), re: Progress Report for RD/RA activities performed during the month of December 1997, 1/12/98. P. 310042-310049. Appendix A is attached.
239. Letter to a Colora resident from Mr. Douglas Schaible, Mr. Jeffrey Smith, and Dr. Suthan Suthersan, Geraghty & Miller, re: Transmittal of analytical results for water samples collected from residential well P-516 on November 24, 1997, and January 7, 1998, 1/12/98. P. 310050-310086. Appendixes A and B, a January 20, 1998, facsimile transmittal to Ms. Debra Rossi, U.S. EPA, from Mr. Douglas Schaible, Geraghty & Miller, and validated volatile analytical results for P-561BT, are attached.

240. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Jeffrey Smith, Geraghty & Miller, re: Transmittal of revised cleanup objectives for non-carcinogens in ground water and their underlying toxicological justifications, 1/12/98. P. 310087-310091. "Attachment A, Revised Cleanup Objectives for Non-Carcinogens" is attached.
241. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Douglas Schaible, Mr. Jeffrey Smith, and Dr. Suthan Suthersan, Geraghty & Miller, re: Annual Progress Report for RD/RA activities performed during 1997, 1/28/98. P. 310092-310099. A January 30, 1998, table entitled "Remedial Design Project Schedule, Woodlawn Landfill, Cecil County, Maryland" is attached.
242. Report: Focused Feasibility Study, Groundwater Remedy, Woodlawn Landfill Site, Cecil County, Maryland, prepared by Geraghty & Miller, 1/98. P. 310100-310554. A January 21, 1998, transmittal letter to Ms. Debra Rossi, U.S. EPA, from Mr. Jeffrey Smith and Dr. Suthan Suthersan, Geraghty & Miller, is attached.
243. Letter to Mr. Timothy Bent, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Conditional approval of the January 1997 Focus Feasibility Study (FFS), Revision 1, 2/11/98. P. 310555-310556.
244. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Douglas Schaible, Mr. Jeffrey Smith, and Dr. Suthan Suthersan, Geraghty & Miller, re: Progress Report for RD/RA activities performed during the month of February 1998, 3/9/98. P. 310557-310568. Appendixes A through C are attached.
245. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Jeffrey Smith and Dr. Suthan Suthersan, Geraghty & Miller, re: Transmittal of the Draft Final Design Report - Landfill Cover System, 4/6/98. P. 310569-310591. "United States Environmental

Protection Agency Region 3, Response to Pre-Final Design Comments" (undated) is attached.

246. Report: Final Design Report, Landfill Cover System, Woodlawn Landfill Site, Cecil County, Maryland, prepared by Geraghty & Miller, 4/6/98. P. 310592-311775. A June 17, 1998, transmittal letter to Ms. Debra Rossi, U.S. EPA, from Ms. Tina Stack and Dr. Suthan Suthersan, Geraghty & Miller, and a June 17, 1998, Addendum No. 3, Response to Final Design Report, Woodlawn Landfill Site, Cecil County, Maryland, are attached.
247. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Douglas Schaible, Mr. Jeffrey Smith, and Dr. Suthan Suthersan, Geraghty & Miller, re: Progress Report for RD/RA activities performed during the month of March 1998, 4/9/98. P. 311776-311782. Appendix A is attached.
248. Letter to Mr. Timothy Bent, Bridgestone/Firestone, Inc., from Mr. Richard Grills, MDE, re: Comments on alternative cover systems proposed to replace the multicomponent cap specified in the ROD, 5/6/98. P. 311783-311786.
249. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Douglas Schaible, Mr. Jeffrey Smith, and Dr. Suthan Suthersan, Geraghty & Miller, re: Progress Report for RD/RA activities performed during the month of April 1998, 5/8/98. P. 311787-311871. Appendixes A through D, "Case Narrative; Chain of Custody," and "Support Documentation" are attached.
250. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Douglas Schaible and Mr. Jeffrey Smith, Geraghty & Miller, re: Response to EPA's April 29, 1998,

correspondence concerning the September 1997 Long-Term Groundwater Monitoring Program, description of the elements of the draft well abandonment plan, and notification that the revised long-term monitoring plan and related revised pages of the FFS for ground water will be submitted by May 20, 1998, 5/13/98. P. 311872-311877. The following are attached:

- a) a table entitled "Table 1, Monitoring Well Construction Details and Wells Proposed to be Abandoned, at the Woodlawn Landfill, Cecil County, Maryland," (undated;)
- b) a May 14, 1998, "Proposed Well Abandonment Schedule;" and a May 30, 1997, figure entitled "Site Layout."

251. Figure entitled "Proposed Wells," prepared by Geraghty & Miller, 5/14/98. P. 311878-311880. A February 19, 1997, figure entitled "Figure 4-1, Residential Well Sample Locations," and an October 8, 1998, facsimile transmittal to Mr. Eric Newman, U.S. EPA, from Ms. Tina Stack, Geraghty & Miller, are attached.

252. Figure entitled "Approximate Location of Seismic Refraction Survey Lines, Woodlawn Landfill, Cecil County, Maryland," prepared by Geraghty & Miller, 5/15/98. P. 311881-311881.

253. Letter to Mr. Peter Schaul, U.S. EPA, from Mr. Timothy Bent, Bridgestone/Firestone, Inc., re: Transmittal of information from a seminar on remediation by monitored natural attenuation, concerns regarding the use of a membrane cap rather than a permeable cap and request for a meeting to discuss the site remediation approach

further, 5/21/98. P. 311882-312136. A March 11-12, 1998, "Natural Attenuation of Chlorinated Solvents in Groundwater, Training Course Workbook," is attached.

- 254. Report: Revised Long-Term Groundwater Monitoring Plan, Woodlawn Landfill, Cecil County, Maryland, prepared by Geraghty & Miller, 5/21/98. P. 312137-312158. A May 21, 1998, transmittal letter to Ms. Debra Rossi, U.S. EPA, from Mr. Jeffrey Burdick, Mr. Jeffrey Smith, and Ms. Suthan Suthersan, Geraghty & Miller, is attached.
- 255. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Douglas Schaible, Ms. Tina Stack, and Dr. Suthan Suthersan, Geraghty & Miller, re: Progress Report for RD/RA activities performed during the month of May 1998, 6/9/98. P. 312159-312165. Appendix A is attached.
- 256. Electronic mail memorandum to Ms. Debra Rossi, U.S. EPA, from Laurence Hull, U.S. EPA, re: Response to a question concerning the need for twelve consecutive quarters of sampling for calculating ground water concentrations, 6/11/98. P. 312166-312167. A June 9, 1998, electronic mail memorandum to Mr. Ken Brown from Ms. Debra Rossi, U.S. EPA, requesting feedback on an issue concerning the proposed long-term ground water monitoring plan, is attached.
- 257. Graph entitled "Vegetative Cap, Remedial Design and Construction Project Schedule, Woodlawn Landfill, Cecil County, Maryland," (no author cited), 6/17/98. P. 312168-312172. A June 17, 1998, transmittal letter to Ms. Debra Rossi, U.S. EPA, from Ms. Tina Stack and Dr. Suthan Suthersan, Geraghty & Miller, is attached.
- 258. "Addendum No. 2, Response to Final Design Report, Woodlawn Landfill Site, Cecil County, Maryland," prepared by Geraghty & Miller, 6/17/98. P. 312173-312185. A June 17, 1998, transmittal letter to Ms. Debra Rossi, U.S. EPA, from Ms. Tina Stack and Dr. Suthan Suthersan,

- Geraghty & Miller, and responses to EPA's May 27, 1998, Comments on Final Design Report are attached.
259. Letter to Ms. Debra Rossi, U.S. EPA, from Ms. Cristina Stack and Dr. Suthan Suthersan, Geraghty & Miller, re: Notification that Geraghty & Miller will submit the Habitat Impact Analysis and Environmental Restoration Plan Landfill Cover System Report under separate cover on behalf of Bridgestone/Firestone, Inc., in response to EPA's May 27, 1998, comments, 6/24/98. P. 312186-312186.
260. Report: Habitat Impact Analysis and Environmental Restoration Plan, Landfill Cover System, Woodlawn Landfill Site, Cecil County, Maryland, prepared by Geraghty & Miller, 6/24/98. P. 312187-312291.
261. Letter to Mr. Timothy Bent, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Notification that Eric Newman will begin duties as EPA's Project Coordinator for the Woodlawn Landfill Site, after July 17, 1998, 6/24/98. P. 312292-312292.
262. Letter to Ms. Debra Rossi, U.S. EPA, from Ms. Christine Stack and Suthan Suthersan, Geraghty & Miller, re: Transmittal of the Habitat Impact Analysis and Environmental Restoration Plan, 6/25/98. P. 312293-312300. The February 24, 1998, Habitat Impact Analysis and Environmental Restoration Plan is attached.
263. Electronic mail memorandum to Mr. Dan Murphy, U.S. Fish and Wildlife Service (FWS), from Ms. Debra Rossi, U.S. EPA, re: Notification that EPA will send the June 25, 1998, second revision of the Habitat Impact Analysis/Environmental Restoration Plan and that it appears FWS comments were addressed, 6/29/98. P. 312301-312301.
264. Letter to Mr. Timothy Bent, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Approval of the May 13,

- 1998, Well Abandonment Plan and conditional approval of the May 21, 1998, Long-Term Groundwater Monitoring Plan, 6/29/98. P. 312302-312303.
265. Letter to Mr. Timothy Bent, Bridgestone/Firestone, Inc., from Ms. Debra Rossi, U.S. EPA, re: Conditional approval of the April 6, 1998, Final Design Report, as revised on June 17, 1998, 6/30/98. P. 312304-312305.
266. Letter to Ms. Debra Rossi, U.S. EPA, from Mr. Douglas Schaible and Ms. Tina Stack, Geraghty & Miller, re: Notification that the second quarter 1998 monitoring well sampling event is scheduled for the week of July 6, 1998, 6/30/98. P. 312306-312306.
267. Electronic mail memorandum to Mr. Eric Newman, U.S. EPA, from Ms. Debra Rossi, U.S. EPA, re: Notification that landfill gas calculations used to design the gas collection system, Appendix J6 of the Final Design Report, are acceptable, 7/8/98. P. 312307-312307.
268. Report: Revised Long-Term Groundwater Monitoring Plan, Woodlawn Landfill, Cecil County, Maryland, prepared by Geraghty & Miller, 7/14/98. P. 312308-312318. A July 14, 1998, transmittal letter to Mr. Eric Newman, U.S. EPA, from Mr. Jeffrey Burdick, Ms. Tina Stack, and Dr. Suthan Suthersan, Geraghty & Miller, is attached.
269. "Addendum No. 4, Response to Final Design Report, Woodlawn Landfill Site, Cecil County, Maryland," prepared by Geraghty & Miller, 7/15/98. P. 312319-312328. A July 15, 1998, transmittal letter to Mr. Eric Newman, U.S. EPA, from Ms. Tina Stack and Dr. Suthan Suthersan, Geraghty & Miller, is attached.
270. "Certification in Accordance with Part XIII.B of

- Administrative Order (EPA Docket No. III-95-05-DC) Woodlawn Landfill Superfund Site," for the Final Design Report, prepared by Mr. Timothy Bent, 7/15/98. P. 312329-312328. A July 15, 1998, letter to Mr. Eric Newman, U.S. EPA, from Mr. Timothy Bent, Bridgestone/Firestone, Inc., is attached.
271. Letter to Mr. Eric Newman, U.S. EPA, from Mr. Robert Pennington, U.S. Fish and Wildlife Service, re: Comments regarding the Habitat Impact Analysis and Environmental Restoration Plan, 7/17/98. P. 312331-312333.
272. Figure entitled "Proposed Soil Boring Locations, Woodlawn Landfill, Cecil County, Maryland," prepared by Geraghty & Miller, 7/20/98. P. 312334-312335. A July 23, 1998, facsimile transmittal to Mr. Eric Newman, U.S. EPA, from Mr. Douglas Schaible, Geraghty & Miller, is attached.
273. Letter to Mr. Eric Newman, U.S. EPA, from Ms. Tina Stack and Dr. Suthan Suthersan, Geraghty & Miller, re: Plans for completing a boring program in the forested area on July 23, 1998, to determine thickness of cover soil, analyze the feasibility of minimizing vegetation removal, and develop a more accurate cost estimate and more focused remedy recommendation in the FFS, 7/21/98. P. 312336-312338. A July 20, 1998, figure entitled "Proposed Soil Boring Locations" is attached.
274. "MDE Waste Management Administration, Environmental Restoration and Redevelopment Program, Comments on: Second Response to Agency Comments, Revised Long-Term Groundwater Monitoring Plan, Woodlawn Landfill Site, Cecil County, Maryland, July 14, 1998," 7/30/98. P. 312339-312340. A July 30, 1998, transmittal letter to Ms. Debra Ford (sic), U.S. EPA, from Mr. James Gravette, MDE, is attached.

275. Letter to Mr. Eric Newman, U.S. EPA, from Ms. Tina Stack and Dr. Suthan Suthersan, Geraghty & Miller, re: Transmittal of the FFS, Final Cover System, and request for the report to be placed in the Administrative Record, 8/17/98. P. 312341-312341.

276. Letter to a Port Deposit resident from Mr. Douglas Schaible and Ms. Tina Stack, Geraghty & Miller, re: Analytical results of the water samples collected on February 12, 1998, from the drinking water well on property P-506, 8/25/98. P. 312342-312349. The following are attached:

- a) a table entitled "Table 1, Laboratory Analytical Results for Groundwater Samples Collected from Residential Well P-506, February 12, 1998, Woodlawn Landfill, Cecil County, Maryland;"
- b) an August 25, 1998, letter to Mr. William Barton, Colora resident, from Mr. Douglas Schaible and Ms. Tina Stack, Geraghty & Miller, regarding analytical results for property P-309;

- c) a table entitled "Table 1, Laboratory Analytical Results for Groundwater Samples Collected from Residential Well P-309, February 12, 1998, Woodlawn Landfill, Cecil County, Maryland."
277. Report: Focused Feasibility Study, Final Cover System, Woodlawn Landfill, Cecil County, Maryland, prepared by Geraghty & Miller, 8/98. P. 312350-312486.
278. "MDE Waste Management Administration, Environmental Restoration and Redevelopment Program, Comments on: Woodlawn Landfill Superfund Site, FFS Final Cover System, August 1998," 9/10/98. P. 312487-312490. A September 10, 1998, transmittal letter to Mr. Eric Newman, U.S. EPA, from Mr. James Gravette, MDE, is attached.
279. Letter to Mr. Eric Newman, U.S. EPA, from Mr. Jeffrey Burdick, Ms. Tina Stack, and Dr. Suthan Suthersan, Geraghty & Miller, re: Evaluation and proposal of the placement of additional monitoring wells at the site, 9/14/98. P. 312491-312497.
280. "Draft, MDE Waste Management Administration, Environmental Restoration and Redevelopment Program, Comments on: Woodlawn Landfill Superfund Site, Proposed Placement of Additional Monitoring Wells, September 14, 1998," 10/15/98. P. 312498-312501. An October 15, 1998, facsimile transmittal to Mr. Eric Newman, U.S. EPA, from Mr. James Gravette, MDE, is attached.
281. Letter to Mr. Eric Newman, U.S. EPA, from Mr. Jim Gravette, MDE, re: Transmittal of Section 2.6.1 and Figures 15 and 23 of the September 1989 Phase I Preliminary Investigation RI/FS Report, which relate to MDE concerns about

delineating a potential off-site migration pathway via a fracture zone in the northwest portion of the site, 10/15/98. P. 312502-312507. An October 15, 1998, facsimile transmittal, Section 2.6.1 of the RI/FS, and Figures 15 and 23 are attached.

282. Letter to Mr. Eric Newman, U.S. EPA, from Mr. James Gravette, MDE, re: Transmittal of comments regarding the September 14, 1998, Proposed Placement of Additional Monitoring Wells, 10/20/98. P. 312508-312511. The comments are attached.
283. Letter to Mr. Eric Newman, U.S. EPA, from Mr. James Gravette, MDE, re: Transmittal of Applicable or Relevant and Appropriate Requirements (ARARs) for the portions of the ROD which EPA proposed to amend, 10/23/98. P. 312512-312515. A list of ARARs from the Department of the Environment and a list of ARARs from the Department of Natural Resources are attached.
284. Letter to Mr. Eric Newman, U.S. EPA, from Mr. Douglas Schaible and Ms. Tina Stack, Geraghty & Miller, re: Notification that the fourth quarter 1998 monitoring well sampling event is scheduled for the week of November 16, 1998, and that residential wells P-506 and P-309 will be sampled in addition to the monitoring wells, 10/30/98. P. 312516-312520. The following are

attached:

- a) a November 11, 1998, memorandum to Mr. Eric Newman, U.S. EPA, from Ms. Tina Stack, Geraghty & Miller, clarifying the long-term monitoring plan for ten monitoring wells;
- b) a table entitled "Table 1, Sampling Locations Proposed for Performance Monitoring, Long-Term Groundwater Monitoring Plan, Woodlawn Landfill, Cecil County, Maryland," (undated);
- c) a November 10, 1998, figure entitled "Wells Proposed for Remedial Action Monitoring Plan."

- 285. Letter to Mr. Eric Newman, U.S. EPA, from Mr. Jim Gravette, MDE, re: Issues which still need to be addressed in the Long-Term Groundwater Monitoring Plan prepared by the PRPs, 11/4/98. P. 312521-312522. A November 4, 1998, facsimile transmittal to Mr. Eric Newman, U.S. EPA, from Mr. Jim Gravette, MDE, is attached.
- 286. Memorandum to Mr. Eric Newman, U.S. EPA, from Ms. Tina Stack, Geraghty & Miller, re: Clarification of the long-term monitoring plan for ten monitoring wells at the site, 11/11/98. P. 312523-312526. A table entitled "Table 1, Sampling Locations Proposed for Performance Monitoring, Long-Term Groundwater Monitoring Plan, Woodlawn Landfill, Cecil County, Maryland," (undated); and a November 10, 1998, figure entitled "Wells Proposed for Remedial Action Monitoring Plan," are attached.
- 287. Facsimile memorandum to Mr. Eric Newman, U.S. EPA, from Mr. James Gravette, MDE, re: Transmittal of information regarding the Long-

Term Groundwater Monitoring Plan, 11/13/98. P. 312527-312530. The following are attached:

- a) a chart entitled, "Woodlawn Landfill Superfund Site, Vinyl Chloride Results (PPB) For Residential Well P-309 and Off-Site Monitoring Well ITB-6;"
- b) a September 30, 1997, letter to Mr. James Gravette, MDE, from Ms. Debra Rossi, U.S. EPA, responding to MDE's August 26, 1997, recommended revisions to ground water use restrictions;
- c) a map entitled, "Status of the Woodlawn Superfund Site and Vicinity Water Supply Availability."

- 288. Facsimile memorandum to Mr. Eric Newman, U.S. EPA, from Ms. Tina Stack, Geraghty & Miller, re: Notification that the drilling contractor for the installation of three monitoring wells is Eichelbergers, Inc., that clearing for well installation access is scheduled to begin December 7, 1998, and drilling is scheduled to begin December 8, 1998, 12/1/98. P. 312531-312531.
- 289. Letter to Ms. Tina Stack, Geraghty & Miller, from Mr. Eric Newman, U.S. EPA, re: Acceptance of Geraghty & Miller's proposal to contract with Eichelbergers, Inc. to perform technical work associated with ground water wells at the site, 12/2/98. P. 312532-312532.
- 290. Facsimile memorandum to Mr. Eric Newman, U.S. EPA, from Mr. James Gravette, MDE, re: Transmittal of information regarding the state's minimum thickness and slope requirements for the design of the vegetative cover at the Woodlawn Landfill Site, 12/14/98. P. 312533-312534. A December 14, 1998, letter to Mr. Eric Newman, U.S. EPA, from Mr. James Gravette, MDE, regarding regulations that specify a minimum thickness requirement for a vegetative cover, is attached.

291. Letter to Mr. Jim Gravette, MDE, from Mr. Timothy Bent, Bridgestone/Firestone, Inc., re: Follow-up to recent discussions concerning ground water use restrictions at the site, 12/18/98. P. 312535-312535.
292. Facsimile memorandum to Mr. Eric Newman, U.S. EPA, from Mr. James Gravette, MDE, re: Transmittal of state ARARs for the Woodlawn Landfill Site, 1/14/99. P. 312536-312548. The ARAR information is attached.
293. Letter to Mr. Eric Newman, U.S. EPA, from Mr. Douglas Schaible, Ms. Tina Stack, and Dr. Suthan Suthersan, Geraghty & Miller, re: Annual Progress Report for the RD/RA activities at the site during 1998, 1/20/99. P. Appendix A is attached. 312549-312582.
294. Letter to Mr. Eric Newman, U.S. EPA, from Mr. Douglas Schaible, Ms. Tina Stack, and Dr. Suthan Suthersan, Geraghty & Miller, re: Notification that the first quarter 1999 monitoring well sampling event is scheduled for the week of February 1, 1999, 1/27/99. P. 312583-312583.
295. Letter to Mr. Eric Newman, U.S. EPA, from Mr. Douglas Schaible, Ms. Tina Stack, and Dr. Suthan Sutherson, Geraghty & Miller, re: Progress Report for RD/RA activities performed during the month of January 1999, 2/9/99. P. 312583A-312585.
296. Facsimile memorandum to Mr. Eric Newman, U.S. EPA, from Ms. Tina Stack, Geraghty & Miller, re: Transmittal of preliminary data from February sampling of three new wells installed at Woodlawn Landfill Site, 2/25/99. P. 312586-312587. A table entitled, "Table 5, Summary of Field Parameters and Preliminary Groundwater Analytical Results from Samples Collected from Monitoring Wells MW-110A, MW-110B, and MW-110B, Woodlawn Landfill, Cecil County, Maryland," is

attached.

- 297. Proposed Plan, Woodlawn Landfill Site, 3/99.
P. 312588-312613.
- 298. Letter to Mr. Eric Newman, U.S. EPA, from Ms. Tina Stack and Ms. Suthan Sutherson, Geraghty & Miller, re: Evaluation of potential human health risks associated with gas emissions at the Woodlawn Landfill Site, 9/27/99. P. 312614-312620.
- 299. Record of Decision Amendment, Woodlawn Landfill Site, Colora, Cecil County, Maryland, 9/30/99.
P. 312621-312680.

V. COMMUNITY INVOLVEMENT/CONGRESSIONAL
CORRESPONDENCE/IMAGERY

1. Letter to resident from Ms. Debbie Rossi, U.S. EPA,
re: Analysis of home well during the inspection
of the Woodlawn Landfill Site, 6/7/90. P. 500001-
500002. A Sample Result Report is attached.
2. Letter to resident from Ms. Debbie Rossi, U.S. EPA,
re: Analysis of home well during the inspection
of the Woodlawn Landfill Site, 6/7/90/ P. 500003-
500004. A Sample Result Report is attached.
3. Letter to resident from Ms. Debbie Rossi, U.S. EPA,
re: Analysis of home well during the inspection of
the Woodlawn Landfill Site, 6/7/90. P. 500005-
500006. A Sample Result Report is attached.
4. Letter to resident from Ms. Debbie Rossi, U.S. EPA,
re: Analysis of home well during the inspection
of the Woodlawn Landfill Site, 6/7/90. P. 500007-
500008. A Sample Result Report is attached.
5. Letter to resident from Ms. Debbie Rossi, U.S. EPA,
re: Analysis of home well during the inspection
of the Woodlawn Landfill Site, 6/7/90. P. 500009-
500010. A Sample Result Report is attached.
6. Letter to resident from Ms. Debbie Rossi, U.S. EPA,
re: Analysis of home well during the inspection
of the Woodlawn Landfill Site, 6/7/90. P. 500011-
500012. A Sample Result Report is attached.
7. Letter to resident from Ms. Debbie Rossi, U.S. EPA,
re: Analysis of home well during the inspection
of the Woodlawn Landfill Site, 6/7/90. P. 500013-
500014. A Sample Result Report is attached.
8. Letter to resident from Ms. Debbie Rossi, U.S. EPA,
re: Analysis of home well during the inspection
of the Woodlawn Landfill Site, 6/7/90. P. 500015-
500016. A Sample Result Report is attached.
9. Letter to resident from Ms. Debbie Rossi, U.S. EPA,
re: Analysis of home well during the inspection
of the Woodlawn Landfill Site, 6/7/90. P. 500017-

500018. A Sample Result Report is attached.
10. Letter to resident from Ms. Debbie Rossi, U.S. EPA,
 re: Analysis of home well during the inspection
 of the Woodlawn Landfill Site, 6/7/90. P. 500019-
 500020. A Sample Result Report is attached.
11. Letter to resident from Ms. Debbie Rossi, U.S. EPA,
 re: Analysis of home well during the inspection
 of the Woodlawn Landfill Site, 6/7/90. P. 500021-
 500022. A Sample Result Report is attached.
12. U.S. EPA Fact Sheet, re: Woodlawn County Landfill
 Site, Cecil County, Maryland, 8/90. P. 500023-
 500024.
13. Memorandum to Woodlawn Area Residents from Mr.
 William A. Sumner, Cecil County Health Department,
 re: Woodlawn area map discussed at the public
 meeting, 6/14/90. P. 500025-500026. The map is
 attached.
14. U.S. EPA Fact Sheet, re: Woodlawn County Landfill
 Site, Cecil County, Maryland, 11/91. P. 500027-
 500030.
15. Letter to resident from Ms. Debra Rossi, U.S. EPA,
 re: Chloroform detected in residential wells,
 4/30/92. P. 500031-500031.
16. U.S. EPA Fact Sheet, re: Woodlawn County Landfill
 Site, Cecil County, Maryland, 6/92. P. 500032-
 500035.
17. U.S. EPA Fact Sheet, re: Woodlawn Landfill
 Superfund Site, Cecil County, Maryland, 4/93. P.
 500036-500039.
18. U.S. EPA Fact Sheet, re: Woodlawn Landfill
 Superfund Site, 6/93. P. 500040-500043.
19. Public Meeting Transcript, Woodlawn Landfill
 Superfund Site, Cecil County, Maryland, 6/8/93. P.
 500044-500103.

20. Letter to Ms. Terri White, U.S. EPA, from Ms. Paula R. DiLeo, Dynamac Corporation, re: Tear sheets of recent public notices on the Woodlawn Landfill Superfund Site, 6/23/93. P. 500104-500107. Two public notices regarding EPA's release of the Proposed Plan and a public notice regarding EPA's extension of the public comment period are attached.

21. Public Meeting Transcript, Woodlawn Landfill Superfund Site, Cecil County, Maryland, 4/15/99. P. 500108-500139.

SITE SPECIFIC GUIDANCE DOCUMENTS

1. "Symposium on Natural Attenuation of Chlorinated Organics in Ground Water; Hyatt Regency Dallas, Dallas, TX; September 11-13, 1996," prepared by U.S. EPA Office of Research and Development.
2. Use of Monitored Natural Attenuation at Superfund, RCRA Corrective Action, and Underground Storage Tank Sites, prepared by OSWER, 4/99.
OSWER 9200.4-17P